



SAS Superstructure

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 3:43 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 450 Const Calendar Day: 187 Date: 08-Dec-2012 Saturday

Inspector Name: Wright, Doug Title: Transportation Engineer

Inspection Type: Continuous

Shift Hours: 06:50 AM 03:45 PM Break: 00:30 Over Time: 08:00

Federal ID:

Location:

Reviewer: Schmitt, Alex

Approved Date:

Status: Submit

04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge

Weather

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition

Working Day ☒ If no, explain:

Diary:

Dispute

Load Transfer Activities

Overview of Cable work today:

The following work was ongoing today on the Cable:

- Cable wrapping
- Installation of split collars
- Painting of suspender ropes
- Installation of messenger cables

Today I was inspecting Tony Costs's crew on installation of split collars & other suspender bracket hardware at PPs 104N & 104S. See the diaries of L. Woo, M. Bruce, B. Brignano, R. Feather, & V. Pereyra for additional details of Cable field work.

- I arrived at the pier 7 office at 06:50, & was on the bridge at 07:20. For the entire shift, I was inspecting the installation of suspender bracket hardware at PPs 104N & 104S, & the shifting of cable band (CBs) at PP 104S. See below for a list of activities & observations on these operations.

At PP 104N:

- The keeper plates & bearing plates were installed under the bottom flange.
- The 24mm bolts were installed & tensioned in the keeper plates & bearing plates by turn-of-the-nut method (snug plus half turn).
- The rear halves of the split collars were installed.
- The shim stacks were installed.
- The suspender center marks were aligned with the top gap between CB halves.
- The load was transferred from the temporary load transfer rods to the suspender ropes.
- The elastomeric collars were installed.
- The front halves of the split collars were installed.
- The top closure plate was installed.
- The suspender bracket top flange plate was match marked in the area of the additional holes in the top closure plates (these holes were needed during swing-out).
- The top closure plates were removed.
- The match-marked locations were drilled through the suspender bracket top flange, & then the drilled holes were painted with MC zinc 100 primer.
- The top closure plates were installed above the top flange. - Note: caulking was added at the angle break of the closure plate per note 2 on the revised contract plan sheet.
- The 24mm bolts were installed & tensioned in the top closure plates by turn-of-the-nut method (snug plus half turn). - Note: I did not inspect this bolt tensioning because I was helping Matt Bruce & Bob Brignano with extensometer measurements. We will torque verify this connection later.



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Wright, Doug

Diary #: 450

Date: 08-Dec-2012 Saturday

At PP 106S:

- The 24mm bolts were installed & tensioned in the top closure plates by turn-of-the-nut method (snug plus half turn).
- I witnessed torque verification of the bolts in the top closure plates & the bottom bearing plates.

At PP 104S:

- The CB bolts were de-tensioned.
- The position of the CB was shifted easterly by 59mm in accordance with RFI-3069. Also, the CB was rotated so that the stanchion pad was plumb.
- The CB bolts were re-tensioned up to 19,400 psi using the bolt-tight tensioners.
- The load was checked on the load transfer jacks, & was 5400 psi, which is below the do-not-exceed limit of 5800 psi.
- The reinforcing plates (used during load transfer) were removed from the suspender bracket flanges.
- The keeper plates & bearing plates were installed under the bottom flange.
- The 24mm bolts were installed & tensioned in the keeper plates & bearing plates by turn-of-the-nut method (snug plus half turn).
- The rear halves of the split collars were installed.
- The shim stacks were installed.

- Note: From 13:30 until 14:45, I only intermittently checked on the operation because I was helping Matt Bruce & Bob Brignano with extensometer measurements.

- At 15:00, I left the bridge.

- From 15:15 until 15:45, I wrote my diary for the day, checked email, & sent my timesheet for the week.

04-0120F4 Bid Item: 067 C-PWS-WCS.067 Wrap Cable System

AMERICAN BRIDGE/FLUOR, A JV

Labor

Trade	Class	Name	RT Hrs	OT Hrs	DT Hrs	Total	Remarks	Dispute
Contractor: AMERICAN BRIDGE/FLUOR, A JV								
Ironworker	JNM	RYAN EVANCHIK	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	Robert Larue	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	ZACHARIAH MACDONALD	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	JONATHON BISKNER	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	APP	AUGIE SOLIS	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	JNM	CASEY LUX	0.00	8.00	0.00	8.00		<input type="checkbox"/>
Ironworker	FOR	ANTHONY COSTA	0.00	8.00	0.00	8.00		<input type="checkbox"/>